

## METHOD FOR THE PURIFICATION OF ALPHAVIRUS REPLICON PARTICLES

### Abstract of the Disclosure

Methods of production and purification for viruses and virus-derived vectors, including those related to alphaviruses, are disclosed. In one aspect, methods of purification that subject alphavirus replicon particle preparations to one or more steps of chromatographic purification, such as using an ion exchange resin, are provided. Also disclosed are methods of characterizing alphavirus replicon particles and utilizing these materials for vaccines and gene-based therapeutics.